

# DataChute PCI

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# Introduction

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DataChute PCI is a high-performance PCI-to-PC Card Adapter that supports two independent card sockets compliant with the 16-bit PC Card standard defined in 1997 PC Card Standard.

DataChute PCI provides a rich feature set that makes it the best choice for bridging between PCI and PC Card in desktop computers. DataChute PCI is compliant with the 16-bit PC Card specification defined in PCMCIA Release 2.1 and JEIDA 4. It can support any combination of 8-bit or 16-bit PC Card in the two sockets, powered at 5.0V or 3.3V as required.

The host system interface of DataChute PCI is compliant with the PCI Local Bus Specification 2.1.

DataChute PCI is a registered set compatible with Intel 82365SL controller and compatible with ExCA.

Unique software configurable interrupt routing circuit and necessary driver software is provided together for DataChute PCI to service IO cards requiring IRQ functionality from the socket. Enables the DataChute PCI to support most of the 16-bit PC Card applications including: SRAM cards, Linear Flash cards, ATA cards, Modem cards and LAN cards.

# Introduction

## Features

- \* PCI Local Bus Specification Revision 2.1 compliant.
- \* PCMCIA 2.1, JEIDA 4.1 compliant.
- \* 3.3V, 5V, or mixed 3.3/5V operation.
- \* Five PCI Memory Windows and Two I/O Windows available for each R2 socket.
- \* Intel 82365SL register compatible, ExCA compatible.
- \* Supports IRQ steering, software driver provided.

DataChute PCI provides easy access to use PC Cards on a desktop PC. The 3.5" front Drive Unit with built-in two sockets is connected to the PCI Interface Board by using the flat ribbon cable. DataChute PCI provides a two front-access PCMCIA socket solution for the desktop PC. There are two Type I and Type II PC card sockets that can be used for one Type II PC card and one Type I or Type II PC Card simultaneously in this unit. It is fully supported for all your PC Cards. (see Fig. 1)

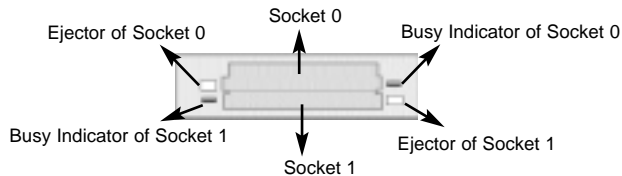


Fig. 1

# Introduction

## Application Block Diagram

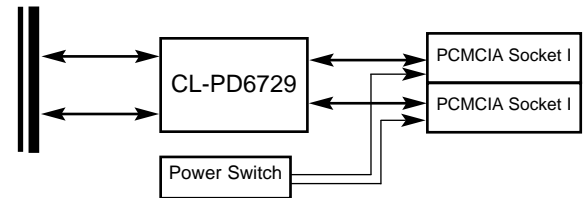


Fig. 2

# Package Contents

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In the package of the DataChute PCI, you will find the following:

- \* 2 Slot PC Card Drive Unit
- \* Flat Ribbon Cable Assembly
- \* PCI Interface Board
- \* Mounting Screw Set
- \* This User's Manual
- \* Setup Diskette

Contact your local dealer if the package of your DataChute PCI does not contain any of these items.

# System Requirements

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To install and use the DataChute PCI, your system must have:

## Hardware Requirements

- \* IBM PC Compatible Computer
- \* Free PCI Expansion Slot
- \* Free 3.5" Drive Bay

## Software Requirements

Microsoft Windows 95 OSR 2  
or Microsoft Windows 98  
Microsoft Windows NT 4.0

# Software Setup

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The device driver software contained in the Setup Diskette is necessary for appropriate operation of the DataChute PCI. Together with the special IRQ steering circuit embedded in the Cirrus CL-PD6729 chip set, the driver software accomplishes the necessary hardware configuration and IRQ routing emulation for the DataChute PCI.

Included in the Setup Diskette are software drivers for various operating systems including Windows 95 OSR 2, Windows 98, Windows 98 Second Edition and Windows NT4.0.

A Setup program is provided to automatically identify the running system and to install corresponding software driver accordingly. Please following the instructions to install the device driver software for your DataChute PCI.

# Software Setup

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## Software Setup Procedure

1. Power ON your computer with Windows 95 OSR 2/Windows 98/Windows 98 Second Edition/Windows NT 4.0.
2. Insert the Setup Diskette into the floppy disk drive of your computer.
3. Click on the Start button on the task bar to open the Start menu.
4. Click on Run, the Run dialog box appears.
5. In the text box, type in A:\Setup.exe.  
(where A: is the floppy disk drive letter) to execute the Setup program.
6. The Welcome dialog box appears, click Next to continue setup.
7. The Software License Agreement dialog box appears. Read through the Software License Agreement, and then click Yes to continue setup.
8. The Setup program will automatically identify the running system, install corresponding software and configure your system for the DataChute PCI. Following the completion of software driver setup, the Setup Complete dialog box appears.
9. Click Finish to complete the software setup.

# Hardware Setup

The DataChute PCI contains:

1. 2 Slot PC Card Drive Unit: The 2 Slot PC Card Drive Unit is designed to fit into 3.5" drive bay and to serve as the convenient front access interface for users to install and/or remove their PC Cards.
2. PCI-to-PC Card Interface Board: The PCI-to-PCMCIA Interface Board utilizes high speed PCI Local Bus and bridges it into two 16-bit PC Card Slots.
3. Flat Ribbon Cable Assembly: The Flat Ribbon Cable Assembly connects the 2 Slot PC Card Drive Unit to the PCI-to-PC Card Interface board.

## WARNING:

Power OFF your computer before installing the DataChute PCI hardware.

Please follow the instructions to install your DataChute PCI:

1. Before trying to install your DataChute PCI, please POWER OFF your computer and remove the power plug from the wall outlet.

# Hardware Setup

2. Utilize the Flat Ribbon Cable Assembly and connect the 2-Slot PC Card Drive and PCI Interface Board. (see Fig. 3)

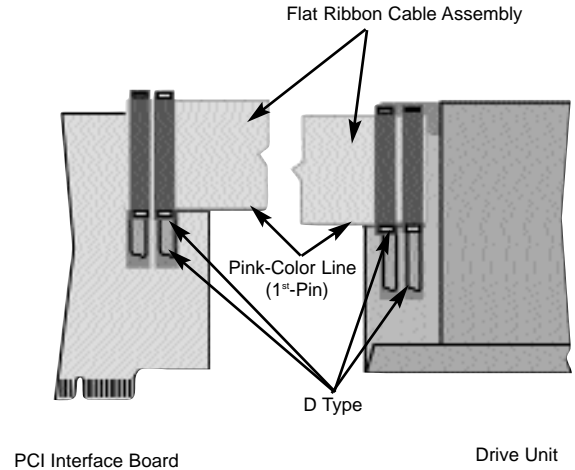


Fig. 3

# Hardware Setup

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3. Disassemble and remove the cover of your computer. For instructions on removing the cover of your computer, refer to the User's manual provided with your computer.
4. Locate a free 3.5" drive bay and a free PCI slot in your computer.
5. Install the 2-Slot PC Card Drive Unit into the 3.5" drive bay. Use the mounting screws included in the package of the DataChute PCI to secure the PC Card Drive in place.
6. Install the PCI Interface Board into the PCI slot and utilize the mounting screw to secure the PCI Interface Board in place.
7. Replace and secure the cover of your computer.
8. Re-connect the power plug back to the wall outlet.
9. Power ON your computer and re-start operating system.

# Specifications

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- \* PCI Local Bus Specifications Revision 2.1 compliant.
- \* PCMCIA 2.1, JEIDA 4.1 compliant.
- \* 3.3V, 5V, or mixed 3.3/5V operation.
- \* Five PCI Memory Windows and Two I/O Windows Available for each R2 socket.
- \* Intel 82365SL registered compatible, ExCA compatible.
- \* ATA disk interface support.
- \* Automatic flash memory timing support.
- \* Power saving suspended mode support.
- \* Ambient temperature under bias: 0°C to 70°C
- \* Storage temperature: -65°C to 150°C
- \* PCI-to-PCMCIA host bridge CL-PD6729 (Cirrus Logic)
- \* Max. Power Supply on sockets VCC at 3.3V for 1A  
VCC at 5.0V for 1A  
VPP at 3.3V for 250mA  
VPP at 5.0V for 250mA  
VPP at 12V for 250mA

# Release Note

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DATE: 02/13/2001  
PRODUCT: DataChute PCI  
SUBJECT: Setup Procedure Note

**This note contains important information about utilizing the DataChute PCI. Please read this document carefully and follow the instructions below.**

## ***Windows 2000 Users Must Read***

To setup the DataChute PCI on a computer with Microsoft Windows 2000, hardware must be installed first, then the software.

**Please be aware and follow the instructions above accordingly to keep DataChute PCI work properly with your computer.**

Thank you for choosing DataChute PCI, and we wish you enjoy the convenience and fun of using it.